

SEQUENCE LISTING

110> Kahn, C. Ronald Zhu, Jianhua

<120> MODULATING THE RAD-NM23 INTERACTION

<130> 10276-017002

<140> US 10/074,694

<141> 2002-02-12

<150> US 09/053,967

<151> 1998-04-02

<160> 5

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 308

<212> PRT

<213> Homo sapiens

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Gly Gln Glu Arg Glu Arg Arg Gly Ser Thr Pro Trp Gly Pro Ala 20 25 30

Pro Pro Leu His Arg Arg Ser Met Pro Val Asp Glu Arg Asp Leu Gln 35 40 45

Ala Ala Leu Thr Pro Gly Ala Leu Thr Ala Ala Ala Ala Gly Thr Gly 50 55 60

Thr Gln Gly Pro Arg Leu Asp Trp Pro Glu Asp Ser Glu Asp Ser Leu
65 70 75 80

Ser Ser Gly Gly Ser Asp Ser Asp Glu Ser Val Tyr Lys Val Leu Leu 85 90 95

Leu Gly Ala Pro Gly Val Gly Lys Ser Ala Leu Ala Arg Ile Phe Gly
100 105 110

Gly Val Glu Asp Gly Pro Glu Ala Glu Ala Gly His Thr Tyr Asp 115 120 125

Arg Ser Ile Val Val Asp Gly Glu Glu Ala Ser Leu Met Val Tyr Asp 130 135 140

Ile Trp Glu Gln Asp Gly Gly Arg Trp Leu Pro Gly His Cys Met Ala 145 150 155 160

Met Gly Asp Ala Tyr Val Ile Val Tyr Ser Val Thr Asp Lys Gly Ser 165 170 175

Phe Glu Lys Ala Ser Glu Leu Arg Val Gln Leu Arg Arg Ala Arg Gln
180 185 190

Thr Asp Asp Val Pro Ile Ile Leu Val Gly Asn Lys Ser Asp Leu Val
195 200 205

Arg Ser Arg Glu Val Ser Val Asp Glu Gly Arg Ala Cys Ala Val Val 210 215 220

Phe Asp Cys Lys Phe Ile Glu Thr Ser Ala Ala Leu His His Asn Val 225 230 235 240

Gln Ala Leu Phe Glu Gly Val Val Arg Gln Ile Arg Leu Arg Arg Asp 250 Ser Lys Glu Ala Asn Ala Arg Arg Gln Ala Gly Thr Arg Arg Glu 265 270 Ser Leu Gly Lys Lys Ala Lys Arg Phe Leu Gly Arg Ile Val Ala Arg 280 Asn Ser Arg Lys Met Ala Phe Arg Ala Lys Ser Lys Ser Cys His Asp 295 Leu Ser Val Leu 305 <210> 2 <211> 664 <212> DNA <213> Mus musculus <220> <221> CDS <222> (1)...(498) cag teg cag ceg geg gta aag cet tgt cat etg aag ggg ace atg qee Gln Ser Gln Pro Ala Val Lys Pro Cys His Leu Lys Gly Thr Met Ala aac agt gag cgt acc ttc att gcc atc aag cct gat ggg gtc cag cgg Asn Ser Glu Arg Thr Phe Ile Ala Ile Lys Pro Asp Gly Val Gln Arg ggg ctg gtg ggc gag atc atc aag cgg ttc gag cag aag ggg ttc cgc 144 Gly Leu Val Gly Glu Ile Ile Lys Arg Phe Glu Gln Lys Gly Phe Arg 40 ctt gtt ggt ctg aag ttt ctg cag gct tca gag gac ctt ctc aag gag 192 Leu Val Gly Leu Lys Phe Leu Gln Ala Ser Glu Asp Leu Leu Lys Glu 50 55 cac tac act gac ctg aag gac cgc ccc ttc ttt act ggc ctg gtg aaa 240 His Tyr Thr Asp Leu Lys Asp Arg Pro Phe Phe Thr Gly Leu Val Lys 65 tac atg cac tca gga cca gtg gtt gct atg gtc tgg gag ggt ctg aat 288 Tyr Met His Ser Gly Pro Val Val Ala Met Val Trp Glu Gly Leu Asn 85 gtg gtg aag aca ggc cgc gtg atg ctt gga gag acc aac ccc gca gac 336 Val Val Lys Thr Gly Arg Val Met Leu Gly Glu Thr Asn Pro Ala Asp 100 tet aag eet ggg ace ata ega gga gae tte tge att eaa gtt gge agg Ser Lys Pro Gly Thr Ile Arg Gly Asp Phe Cys Ile Gln Val Gly Arg 120 aac atc att cat ggc agc gat tct gta aag agc gca gag aag gag atc Asn Ile Ile His Gly Ser Asp Ser Val Lys Ser Ala Glu Lys Glu Ile 130 135

140

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age ttg tgg ttt cag cet gag gag etg gtg gag tae aag age tgt geg
                                                                    480
Ser Leu Trp Phe Gln Pro Glu Glu Leu Val Glu Tyr Lys Ser Cys Ala
145
                     150
cag aac tgg atc tat gag tgataggacg gtgccggttt tctacctgct
                                                                   528
Gln Asn Trp Ile Tyr Glu
                165
tactcttgtt ctcacaggca ggggaccagc aaccctagat atttctggaa cttctttgac 588
ctggaaggaa cctttgggag ccgtgactcc ctgtgcagtg ttacgtgcca ctgttagatt 648
aaagtgttta atctgt
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<213> Mus musculus
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Asn Ser Glu Arg Thr Phe Ile Ala Ile Lys Pro Asp Gly Val Gln Arg
Gly Leu Val Gly Glu Ile Ile Lys Arg Phe Glu Gln Lys Gly Phe Arg
                            40
Leu Val Gly Leu Lys Phe Leu Gln Ala Ser Glu Asp Leu Leu Lys Glu
His Tyr Thr Asp Leu Lys Asp Arg Pro Phe Phe Thr Gly Leu Val Lys
Tyr Met His Ser Gly Pro Val Val Ala Met Val Trp Glu Gly Leu Asn
Val Val Lys Thr Gly Arg Val Met Leu Gly Glu Thr Asn Pro Ala Asp
            100
                                105
Ser Lys Pro Gly Thr Ile Arg Gly Asp Phe Cys Ile Gln Val Gly Arg
                            120
                                                 125
Asn Ile Ile His Gly Ser Asp Ser Val Lys Ser Ala Glu Lys Glu Ile
                        135
Ser Leu Trp Phe Gln Pro Glu Glu Leu Val Glu Tyr Lys Ser Cys Ala
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                                         155
Gln Asn Trp Ile Tyr Glu
                165
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<213> Homo sapiens
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getteeegga ee atg gee aac etg gag ege ace tte ate gee ate aag eeg 111
              Met Ala Asn Leu Glu Arg Thr Phe Ile Ala Ile Lys Pro
```

					ggc Gly											159
_	_			_	ctc Leu 35	_		_							_	207
_		_	_	_	cac His			_	_		_					255
		_		_	tac Tyr	_				_	_				_	303
					gtg Val											351
					tca Ser											399
					aac Asn 115											447
					agc Ser											495
					cat His						taaq	gaggt	igg a	acaca	aacagc	548
agteteette ageaeggegt ggtgtgteee tggacaeage tetteattee attgaettag aggeaaeagg attgateatt ettttataga geatatttge eaataaaget tttggaagee gg																
<210> 5 <211> 152 <212> PRT <213> Homo sapiens																
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Phe	Arg	Leu 35		Ala	Met	Lys	Phe 40		Arg	Ala	Ser	Glu 45	30 Glu	His	Leu	
Lys	Gln 50		Tyr	Ile	Asp	Leu 55		Asp	Arg	Pro	Phe 60		Pro	Gly	Leu	
Val 65		Tyr	Met	Asn	Ser 70		Pro	Val	Val	Ala 75		Val	Trp	Glu	Gly 80	

Leu Asn Val Val Lys Thr Gly Arg Val Met Leu Gly Glu Thr Asn Pro 85. 90 Ala Asp Ser Lys Pro Gly Thr Ile Arg Gly Asp Phe Cys Ile Gln Val 100 105 Gly Arg Asn Ile Ile His Gly Ser Asp Ser Val Lys Ser Ala Glu Lys 120 Glu Ile Ser Leu Trp Phe Lys Pro Glu Glu Leu Val Asp Tyr Lys Ser 135 Cys Ala His Asp Trp Val Tyr Glu

150